ZeroPM

WEBINAR ANNOUNCMENT

Beyond Grab Samples: Passive Sampling for Smarter Environmental Monitoring

Date: 4th March 2026
Time: 14.00 – 15.00 CET
https://us06web.zoom.us/webinar/register/WN_Z6O-CDKqTOyh-31ph1rNSw

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This webinar

Passive sampling is increasingly recognised as a key approach for monitoring chemical pollution and supporting environmental assessment. Passive sampling enables time-integrated measurement of chemical contaminants and provides complementary information to conventional monitoring strategies, particularly for substances occurring at low concentrations or with strong temporal variability.

The webinar will outline the main types of passive samplers currently used in environmental monitoring and discuss the chemical groups they are designed to measure. Key principles governing sampler uptake, exposure periods, and data interpretation will be addressed to support understanding of how passive sampling results can be translated into meaningful concentration estimates.

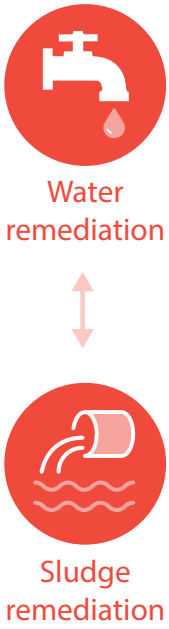
Applications of passive sampling within the ZeroPM context will be presented, drawing on examples from field studies across relevant environmental compartments. These examples will illustrate how passive sampling data can be used to characterise spatial and temporal contamination patterns, identify priority substances, and support mixture-oriented assessments relevant to ZeroPM objectives.

Finally, the webinar will consider how passive sampling data can be integrated into policy and regulatory frameworks, including its role in risk assessment and chemical prioritization. Current challenges and future perspectives for the uptake of passive sampling in policy-relevant monitoring programmes will also be discussed.

Speakers

Dr Emma Knight is an Environmental Researcher working within the ZeroPM project, with expertise in chemical pollution monitoring and remediation and the application of passive sampling approaches to support environmental assessment and management.

Dr Ian Allan is a Senior Scientist with extensive experience in passive sampling, environmental monitoring, and the translation of scientific data into tools relevant for risk assessment and regulatory frameworks. He has contributed widely to the development and application of passive sampling methods across aquatic environments.



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